Sampson Construction Co., Inc.
3730 South 14th Street
Lincoln, NE 68502
Phone: (402) 434-5450
FAX: (402) 434-5466

Bid Bulletin #5

PROJECT: York General Hospital OR Renovation

DATE: January 28th, 2016

This Bid Bulletin, applicable to the above project, is issued to all known plan holders before receipt of proposals.

This Bid Bulletin includes items 5-1 through 5-7. Each item shall be fully incorporated into the Bidding/Contract Documents and have the same force and effect as though originally included. Bidders shall acknowledge receipt of this Bid Bulletin on the bid form.

Item 5-1 **NOTICE: Bid Date has been moved to February 4th, 1:30 p.m.**

Item 5-2 Seismic: Generic Cut sheets attached

Item 5-3 Floor update: Addendum will also cover
Shannon Flooring CS 5507/Latte in rooms:
1413, 1426, 1429, 1430, 1432, 1435, 1436, 1437, 1438

Shannon Flooring CS 5508/Cafe in rooms
1439

Shannon Flooring CS 5507/Latte for the border in rooms
1428, 1431, 1433
Shannon Flooring CS 5508/Café for a 7 x 12 inset in rooms
1428, 1431, 1432

.

Item 5-4 Duct connections for OB and AHU information in Addendum 4

Item 5-5 Door/Hardware: Door/Frame/glazing and hardware for Exterior opening 1110 including wiring to be included in OR project numbers.

Item 5-6 The 2hr separation walls and existing walls being update per phasing drawing will be reduced to one hour separation. (existing/new opening to be infilled with Drywall during construction) But will require that the sprinkler contractor maintain a full sprinkler system during all construction. This will entail coordination along with MEP for rough in's and above ceiling. (See Attached)

Item 5-7 **Bidders are reminded that sealed bids will be received no later than 1:30 p.m. CST February 4th, 2016 at the York General Hospital, 2222 N. Lincoln Ave, York, NE 68467. Faxed bids will be allowed. Fax bids to the Attention of Bob Ailor at (402) 362-0499. A performance and payment bond will be required on all contracted work and this cost should be included on your Bid Form.**

End of Bid Bulletin #5

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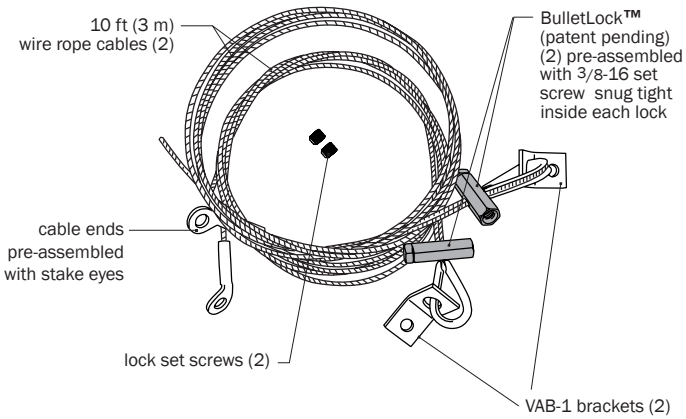
BulletBrace™ Preassembled Adjustable Cable Restraint Kits (Patent Pending)

BB

File No.: DS-BB-002 Date: 25 Mar 2015
Supersedes: DS-BB-001 Date: 4 Dec 2013

BB-400



BB-400 PREASSEMBLED ADJUSTABLE CABLE RESTRAINT KIT

Two (2) cable restraints, each cable includes:

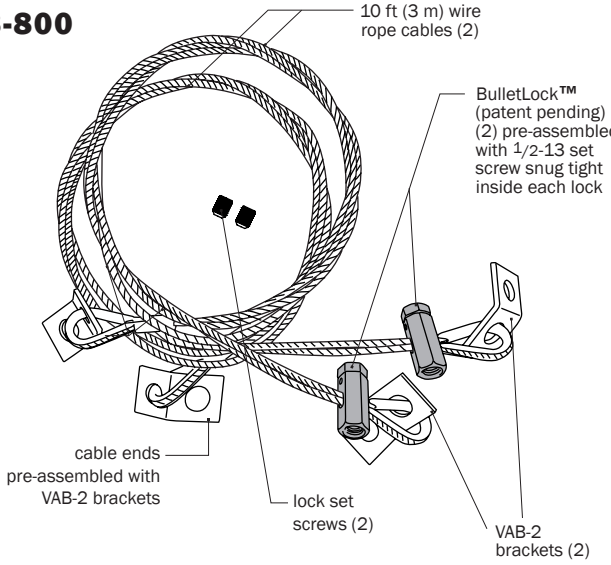
- One (1) wire rope cables 10 ft (3 m) long with factory installed, 45° bent stake eye on one end with 3/8" diameter hole.
- One (1) BulletLock™ (patent pending) assembly including a 3/8 –16 set screw snugged against the cable's dead end.
- One (1) VAB-1 with 3/8" diameter hole and one wire rope thimble assembly
- One (1) loose 3/8 –16 lock set screw

BB-800 PREASSEMBLED ADJUSTABLE CABLE RESTRAINT KIT

Two (2) cable restraints, each cable includes:

- One (1) wire rope cables 10 ft (3 m) long with factory installed, 45° bent VAB-2 bracket on one end with 1/2" diameter hole.
- One (1) BulletLock™ (patent pending) assembly including a 1/2 –13 set screw snugged against the cable's dead end.
- One (1) VAB-2 with 1/2" diameter hole. and one wire rope thimble assembly
- One (1) loose 1/2 –13 lock set screw

BB-800



PERFORMANCE FOR CABLE KITS

Cable Kit Model	Max. Allowed Tension		Cable Size		Anchor Bolt Size Dia.		Cable Kit Weight †	
	lb	N	**in**	mm	**in**	mm	**lb**	kg
BB-400	**400**	1780	**1/8**	3	**3/8**	9.5	**1 1/2**	0.7
BB-800	**800**	3559	**3/16**	5	**1/2**	12.7	**2 1/2**	1.1

† weights are approximate

NOTES

- Restraint kits used to restrain non-structural components, e.g., equipment, ductwork, piping and conduit against seismic, wind, or blast forces.
- Cable sway bracing restraints consist of 7×19 galvanized steel cable sized to resist tension loads with a safety factor of 5:1.
- Cable-end connections use heavy brackets, thimbles
- Option: Bulk wire rope and end components available where required lengths exceed standard length.

Project:			1:	6:
Customer:			2:	7:
Consultant:			3:	8:
Dwg No.:	**Rev:**	**Drawn by:**	4:	9:
			5:	10:
V-A Project Manager:			**QTY of sets required:**	
TAG:			**EQUIPMENT:**	
COMMENTS:				**DATE:**

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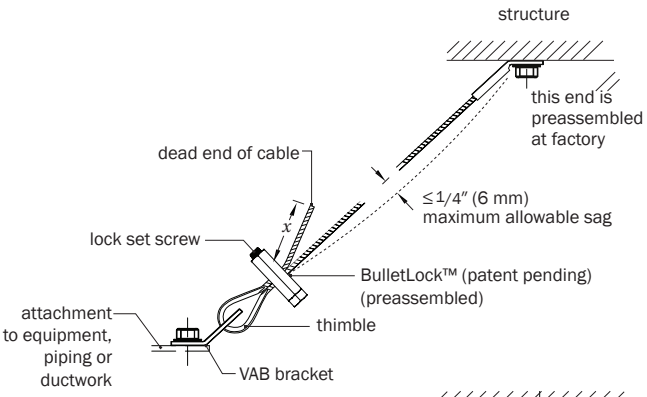
BulletBrace™ (Patent Pending)

Preassembled Adjustable Cable Restraint Kits
Installation Instructions (pg. 1 of 2)

BB/BBR
400, 800

File No.: INS-BBR-001	Date: 20 Jun 2014
Supersedes: New	Date: New



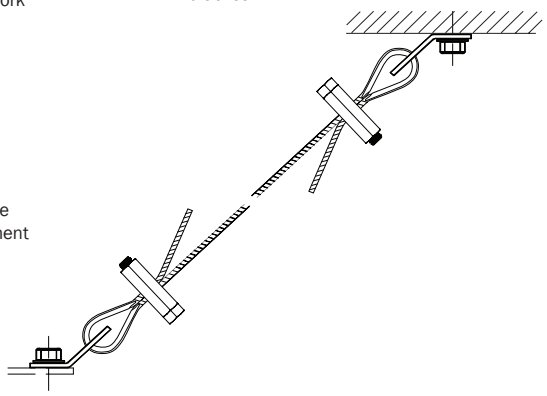
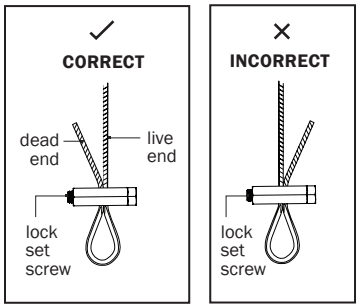


Fig.1
Bulk cable arrangement

Table 1.0

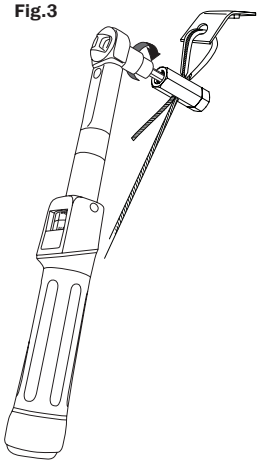
Model	Minimum *x*		Torque		Allen Key Size	
	in	mm	**ft.lb**	N-m	**in**	mm
BB-400	**3**	76	**10**	13.6	**3/16**	5
BB-800	**4**	102	**26**	35.3	**1/4**	6

Fig.2



NOTE: The securing set screw inside the BulletLock™ should only be torqued down against the dead end of the cable.

Fig.3

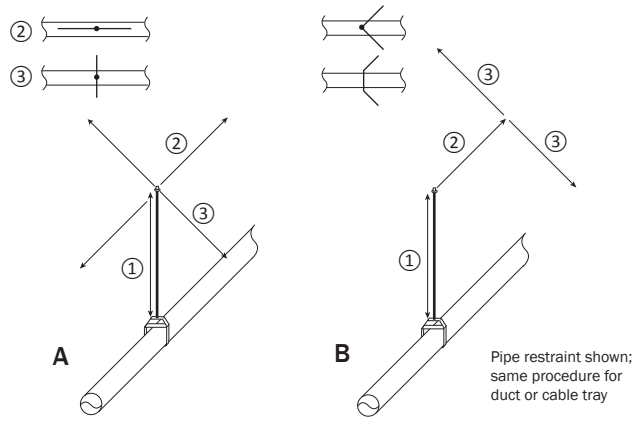


INSTRUCTIONS

1. Locate restraint position and direction as shown in seismic restraint submittal package.
2. Locate the positions on the structure for attaching the seismic restraint kit. These connection positions shall be as close as possible to 45°(±10°) from the restrained component connection.

   A) **For transverse or longitudinal-only restraints (shown as a straight line on floor plan markups)**: This point can be estimated easily by measuring the vertical distance from the structure to the restraint attachment point on the component ①, then measuring that distance along the structure either inline with the component ② (for longitudinal restraints) or perpendicular to the component ③ (for transverse restraints).

   B) **For compound 45° angle restraints (shown as a "V" on floor plan markups)**: This point can be estimated easily by measuring the vertical distance from the structure to the restraint attachment point on the component ①, then measuring that distance along the structure inline with the component ②, then the same distance perpendicular to the component ③.



3. Note that most standard BB cable lengths are 10′. If longer cables are required, use bulk cable with field-assembled ends with two BulletLock™ at each end (Fig. 1).
4. Attach the preassembled ends to these locations using the attachment method indicated in the submittal package (e.g., seismically rated concrete anchor bolts).
5. Attach brackets to restrained component as indicated in the seismic restraint submittal package. For BBR Retrofit Bracket attachment, please refer to the next page.
6. Pull and slide the cable from its dead end side to achieve the desired length.
   a. Dead end is the side of the cable that does not carry any load. Set screw is snugged against dead end. (Fig. 2)
   b. Loosen the set screw inside the BulletLock™ (patent pending) to slide cable easier.
7. While holding the cable taut, torque down the set screw inside the BulletLock™ (patent pending), snugged against the dead end of the cable (Fig. 3). Please refer to table 1 for the torque values and allen key sizes.
8. Adjust cable to remove slack. If isolation is required, leave a 1/8″ to 1/4″ sag in the cable to prevent vibrations from transferring to the structure.
9. Once cable length is adjusted and the set screw is torqued down properly, install and finger-tight the lock set screw against the torqued set screw inside the BulletLock™ (patent pending).

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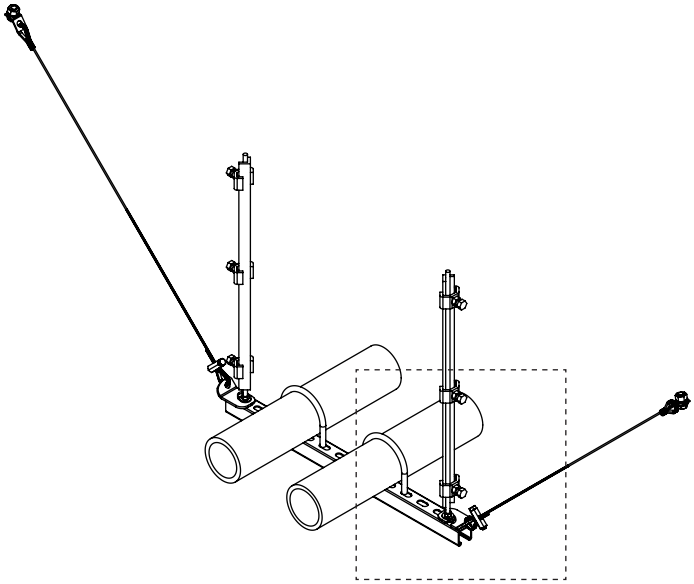
BulletBrace™ (Patent Pending)

Preassembled Adjustable Cable Restraint Kits
Installation Instructions (pg. 2 of 2)

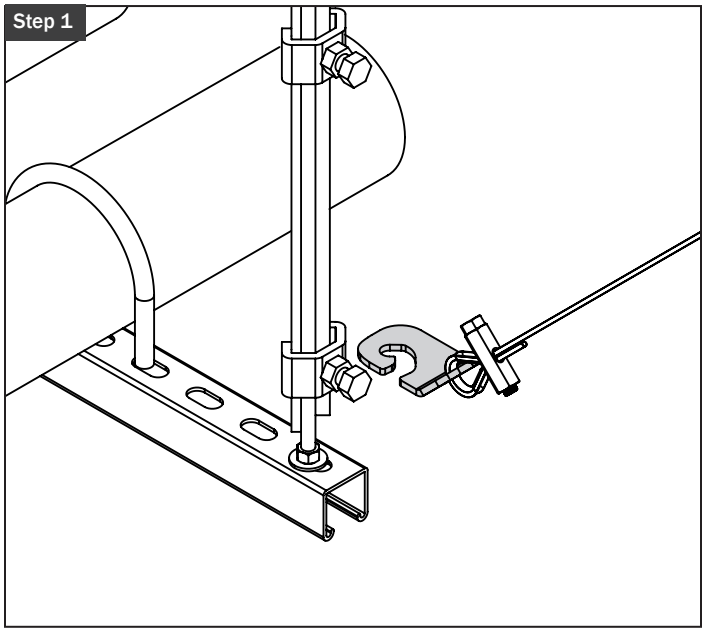
BB/BBR
400, 800

File No.: INS-BBR-001	Date: 20 Jun 2014
Supersedes: New	Date: New

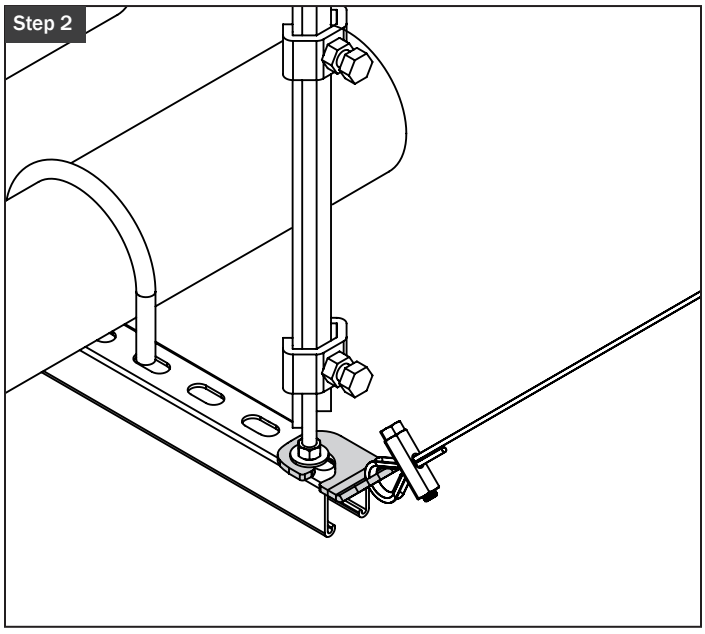
BBR: BulletBrace™ Retrofit Kit



Step 1



Step 2



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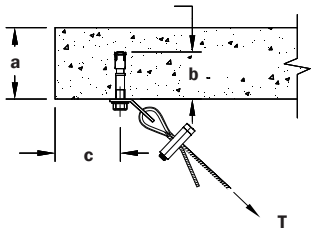
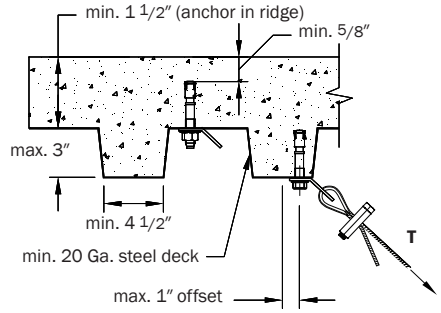
BulletBrace™ (patent pending) BB/BBR-AL

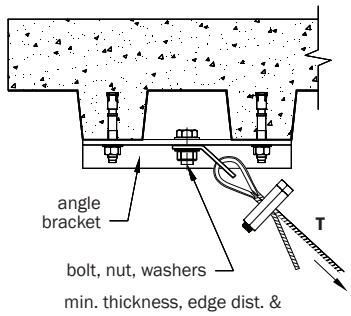
Seismic Restraint Structural Attachment Levels
Installation Instructions

File No.: INS-BBR-AL-001 Date: 20 Jun 2014
Supersedes: INS-BB-AL-002 Date: 25 Feb 2014

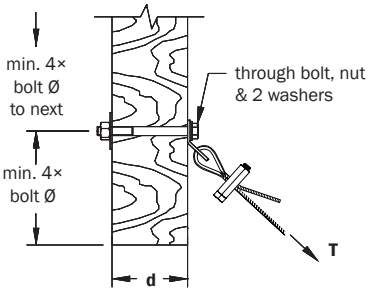




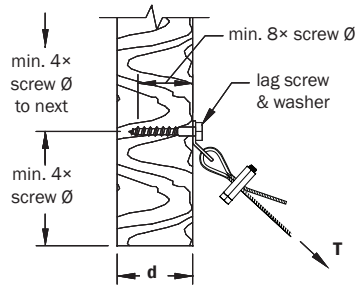
min. thickness, edge dist. & depth restrictions also apply



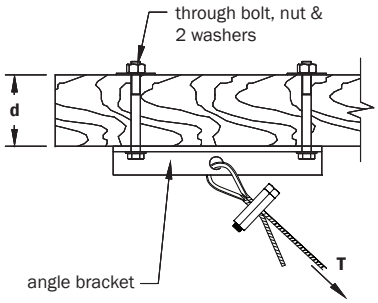
min. thickness, edge dist. & depth restrictions also apply



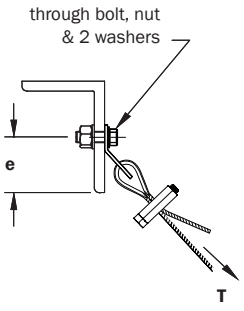
min. dist. to end of beam: 7× bolt Ø washer O.D. min 2"

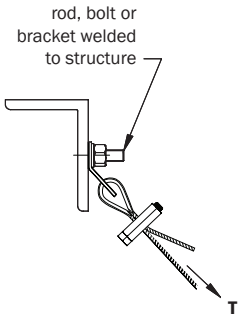


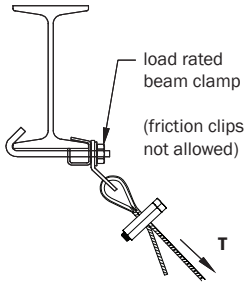
min. dist. to end of beam: 7× screw Ø

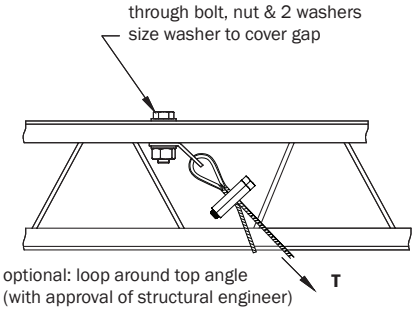


min. dist. to end of beam: 7× bolt Ø washer O.D. min. 2"









Cable Kit Model	T (max. allowed tension)	Anchor Diameter (Ø)	Anchor Quantity (per cable end)	CONCRETE			WOOD	STEEL
				a (min. thickness)	b (min. embedment)	c (min. edge dist.)	d (min. thickness)	e (min. edge dist.)
BB-400	400 lbs (1780 N)	3/8" (10 mm)	1	4" (102 mm)	2" (50 mm)	3 1/2" (89 mm)	3" (76 mm)	3/4" (19 mm)
BB-800	800 lbs (3559 N)	1/2" (12 mm)	1*	6" (152 mm)	3 1/4" (82 mm)	4 1/2" (114 mm)	3 1/2" (89 mm)	3/4" (19 mm)

* Use minimum anchor quantity of two (2) when attaching to wood.
† Use 3/4" Ø lag screw anchors for attaching to wood.

NOTES

- Building structure must be point-load capable; to be confirmed by the appropriate structural design professional
- Fasteners and attachment methods to be designed/selected to support the maximum capacity of the attached cable kit
- Concrete anchor seismic ratings based on Hilti KB-TZ and 3000 PSI (20.7 MPa) concrete. Minimum anchor spacing, edge distance and embedment depth, as required by the manufacturer
- Other products with similar or superior properties may be used, depending on availability
- Holes for through bolts must be 1/32" (0.8 mm) to 1/16" (1.6 mm) larger than bolt diameter
- All structure, hardware, brackets and clamps shown are supplied by others unless otherwise noted or specifically allowed in the project quotation and order.

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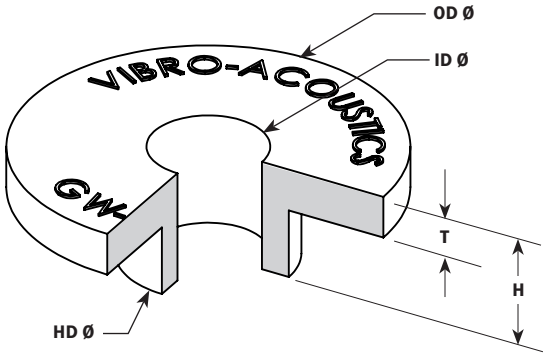
GW Grommet Washers

GW

File No.: DS-GW-001 Date: 29 Jul 2011
Supersedes: New Date: New

model shown with cut-away



DIMENSIONS

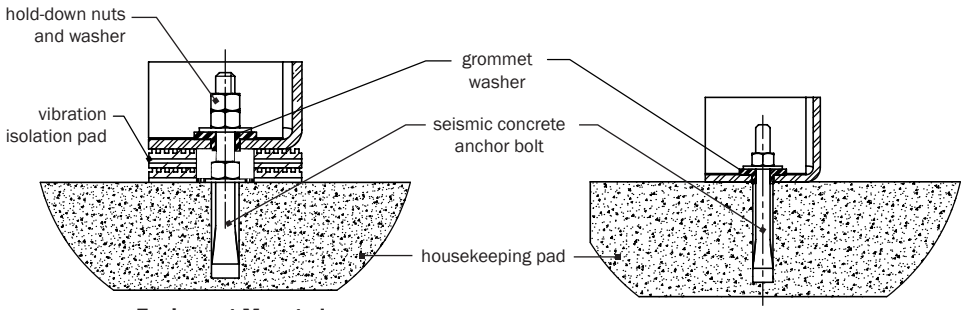
Model	ID		HD		OD		T		H	
	in	mm	in	mm	in	mm	in	mm	in	mm
GW-38	3/8	10	5/8	16	1 1/4	32	3/16	5	1/2	13
GW-50	1/2	13	3/4	19	1 5/8	41	3/16	5	1/2	13
GW-63	5/8	16	7/8	22	2	51	1/4	6	5/8	16

NOTES

- Material is high durometer neoprene
- Use with bolt/rod diameter that matches ID dimension

TYPICAL APPLICATIONS

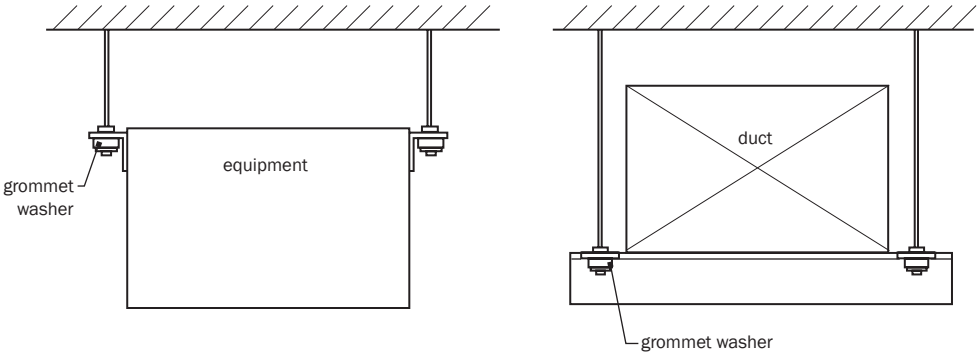
GW grommet washers are included standard wtih SRB seismic restraint brackets and SIPS seismic inline pump stands but can be used independently in similar situations to eliminate metal-to-metal contact between the anchor bolt and equipment supports.



Equipment Mounted on Pad Isolators

Rigidly Mounted Equipment

GW grommet washers can provide a nominal amount of vibration control when used on suspended components.



Project:			plan view of locations	1:	6:
Customer:				2:	7:
Consultant:				3:	8:
Dwg No.:	**Rev:**	**Drawn by:**		4:	9:
V-A Project Manager:				5:	10:
				QTY required:	
TAG:			EQUIPMENT:		
COMMENTS:				DATE:	

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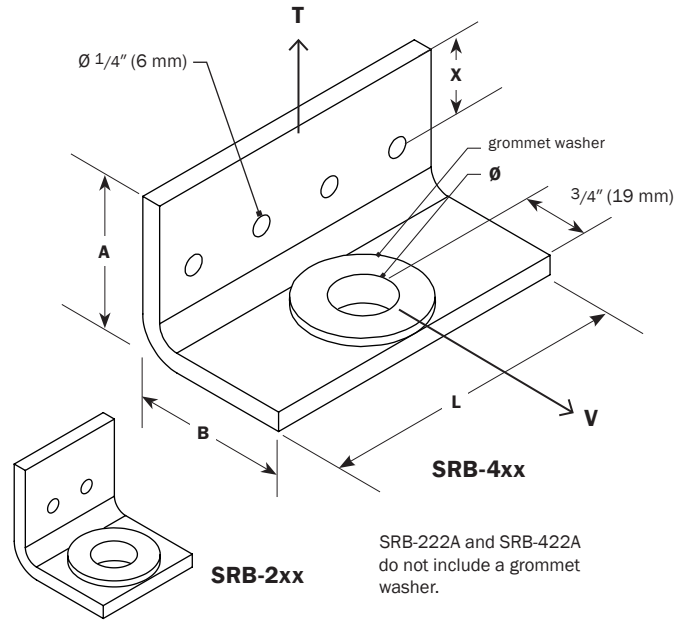
SRB Seismic Restraint Bracket — SRB

File No.: DS-SRB-004 Date: 6 Nov 2014
Supersedes: DS-SRB-003 Date: 10 Sep 2013



SRB-222A and SRB-422A do not include a grommet washer.

DIMENSIONS AND WEIGHT

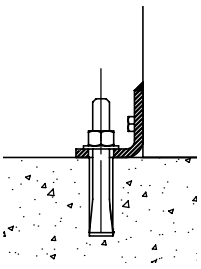
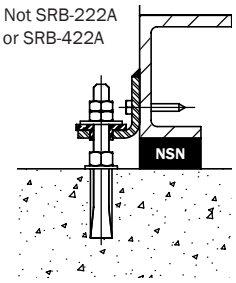
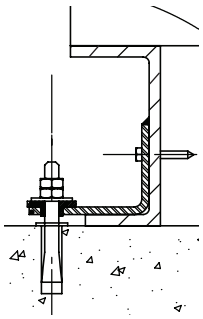
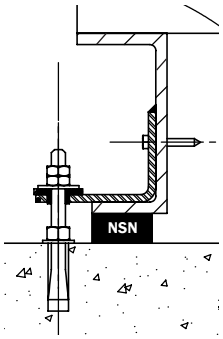
Model	L		A		B		Ø*		X		Weight	
	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
SRB-222A	2	51	2	51	2	51	1/2	13	1	25	0.3	0.14
SRB-222B	2	51	2	51	2	51	3/8	10	1	25	0.5	0.23
SRB-222C	2	51	2	51	2	51	1/2	13	1	25	0.5	0.23
SRB-422A	4	102	2	51	2	51	1/2	13	1	25	0.6	0.27
SRB-422B	4	102	2	51	2	51	3/8	10	1	25	1.0	0.45
SRB-422C	4	102	2	51	2	51	1/2	13	1	25	1.0	0.45
SRB-423B	4	102	2	51	3	76	3/8	10	1	25	1.2	0.5
SRB-423C	4	102	2	51	3	76	1/2	13	1	25	1.2	0.5
SRB-434C	4	102	3	76	4	102	1/2	13	1 1/2	38	1.8	0.82

* Hole diameter for A models is through metal bracket since no grommet washer is included.

PERFORMANCE

Model	Attach with Screws *				Attach with Welding			
	Allowable T		Allowable V		Allowable T		Allowable V	
	lb	kN	lb	kN	lb	kN	lb	kN
SRB-222A	282	1.25	265	1.18	282	1.25	529	2.35
SRB-222B	970	4.31	500	2.22	990	4.40	2488	11.07
SRB-222C	970	4.31	500	2.22	990	4.40	2488	11.07
SRB-422A	564	1.81	529	2.35	564	1.81	1411	6.28
SRB-422B	1940	8.63	1000	4.45	1980	8.81	2871	12.77
SRB-422C	1940	8.63	1000	4.45	1980	8.81	2871	12.77
SRB-423B	1940	8.63	1000	4.45	2912	12.95	2871	12.77
SRB-423C	1940	8.63	1000	4.45	2912	12.95	2871	12.77
SRB-434C	1940	8.63	1000	4.45	2045	9.10	1856	8.26

* Allowable loads are maximums based on 1/4" (6 mm) HILTI self-drilling screws installed on minimum 16 ga base material for SRB-222A and SRB-422A and 10 ga for all other models.

	Rigid	w/ NSN Pad
SRB-222 **SRB-422**		
SRB-423 **SRB-434** SRB-423 for toe-out channel base frames using C6 or smaller channel. SRB-434 for larger sizes.		

NOTES

- Allowable loads do not account for anchor bolt capacity. Contact Vibro-Acoustics for selection.
- Brackets must be installed in accordance with installation instructions to provide above performance.
- If mounted on a housekeeping pad, the pad must be seismically doweled to the structural slab and there must be sufficient edge distance and concrete thickness to properly install seismically-rated concrete anchors.
- SRB-222A and 422A brackets are galvanized; all other bracket sizes are powder-coated enamel for corrosion protection.
- Anchor bolts, self-drilling screws, and NSN vibration isolation pads available separately from Vibro-Acoustics.
- Minimum diameter of round equipment support is 12" (305 mm) for using SRB-2xx brackets.

Project:	plan view of bracket locations	1: 6:
Customer:	with SRB-4xx or SRB-2xx **OR** with SRB-2xx only	2: 7:
Consultant:		3: 8:
Dwg No.: / **Rev:** / **Drawn by:**		4: 9:
V-A Project Manager:		5: 10:
TAG:	*Unless otherwise specified, install brackets equally spaced along the long sides of the equipment.*	**QTY of sets required**:
DATE:	EQUIPMENT:	**Attachment Method:**
COMMENTS:		

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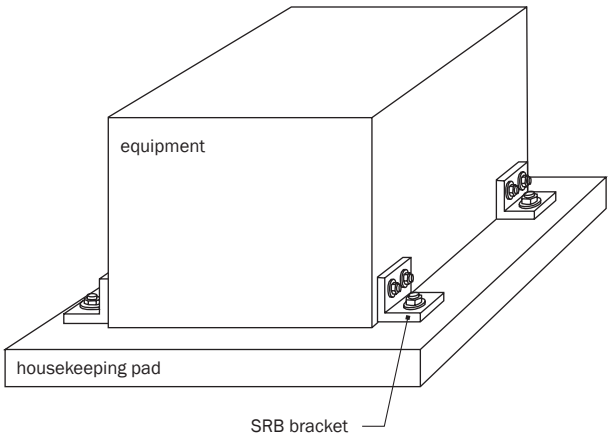
SRB Seismic Restraint Bracket Installation Instructions

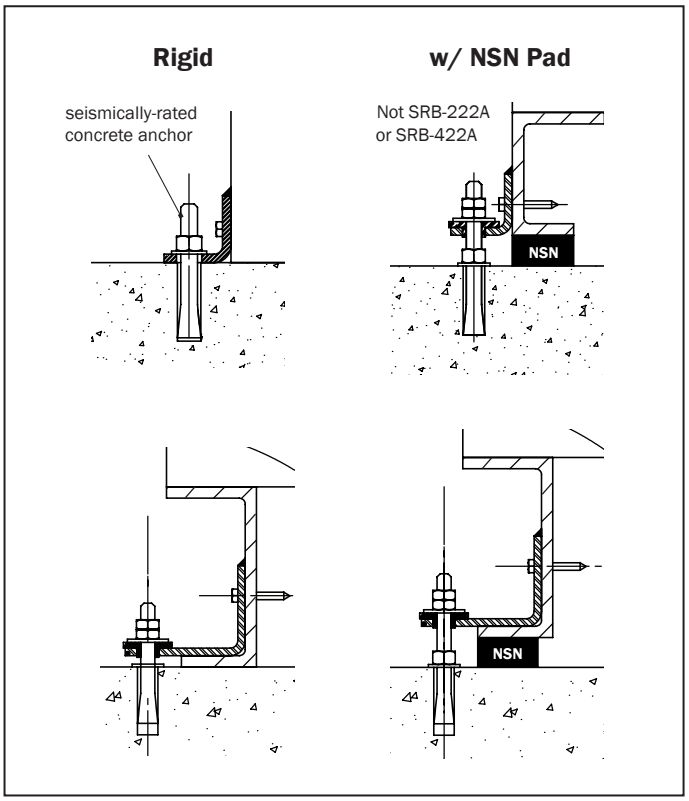
SRB

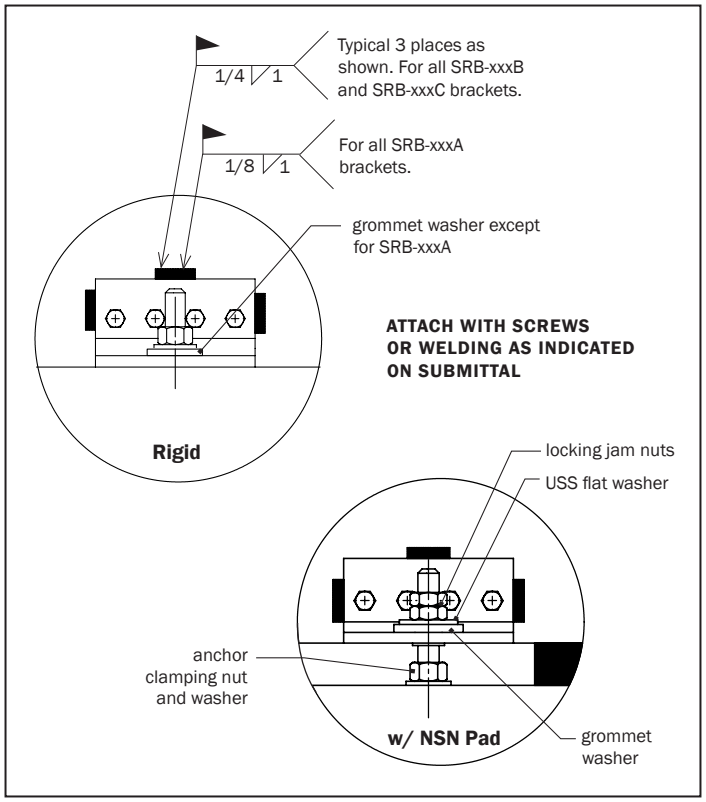
File No.: INS-SRB-001 Date: 20 Jan 2011
Supersedes: New Date: New



INSTRUCTIONS

1. If mounting SRB brackets to a housekeeping pad, ensure pad is thick enough and large enough to accomodate anchor bolts and sufficiently doweled in or connected to structural slab to transfer seismic loads to the structure.
2. Mount equipment in its final position, including neoprene pads if provided. Ensure adequate space is allowed where anchors will be installed to maintain edge distance required by anchor bolt manufacturer.
3. Confirm bracket attachment locations on equipment will accommodate attachment method (screws or welding) indicated on Vibro-Acoustics' submittal.
4. Mark locations for brackets as indicated in the submittal package and drill holes as necessary.
5. For installation without neoprene pads (rigid installation) secure bracket to floor using the anchor size indicated in the submittal, and then attach to equipment as shown below. For SRB-xxxB and -xxxC brackets, ensure grommet washer stays in place.
6. For installation with neoprene pads, install the anchor bolt first, and then place the bracket over the bolt, making sure the grommet washer stays in place. Mount the bracket to the equipment and install locking jam nuts and a USS flat washer on the anchor bolt as shown below. Ensure the bracket does not touch the clamping nut and that the locking jam nuts are secure.
7. For installation with and without neoprene pads: Use the appropriate number of 1/4" (6 mm) diameter self-drilling screws – one for each hole in the bracket – or welds as shown in the diagram below and the submittal.
   a. Ensure self-drilling screws are long enough for threads to pass through both material layers.
   b. Welding may be substituted for screws, but screws may not be used in place of welding without approval from Vibro-Acoustics.





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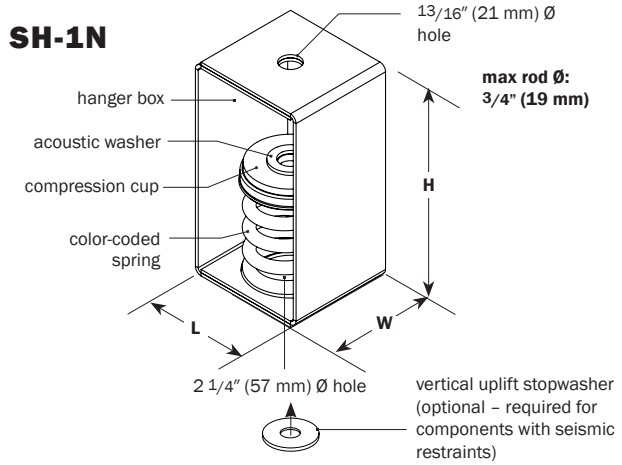
1″ (25 mm) Deflection SH Spring Hangers

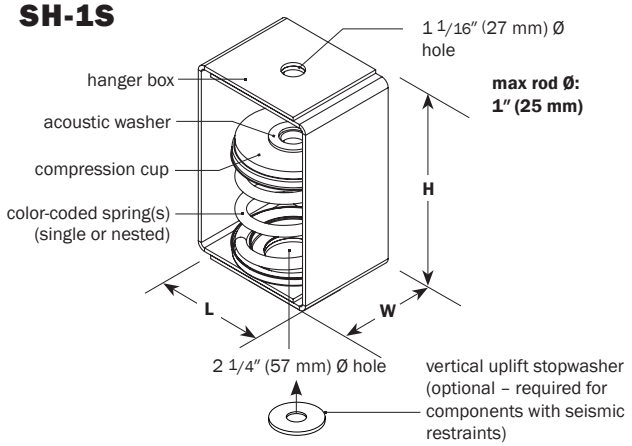
SH-1

File No.: DS-SH1-009 Date: 4 Dec 2014
Supersedes: DS-SH1-008 Date: 28 Feb 2014

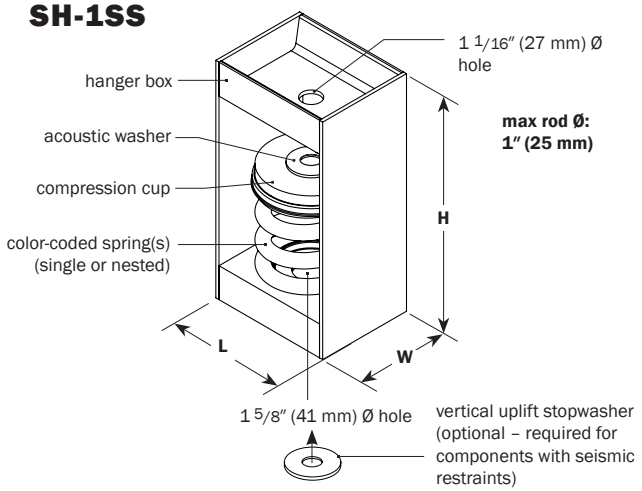
SH-1N



SH-1S



SH-1SS



PERFORMANCE

Model	Spring Color	Rated Load		Deflection at rated load		Isolator Weight †	
	outer-inner	lb	kN	in	mm	lb	kg
SH-1N-50*	Blue	**50**	0.22	**1.0**	25	**4.9**	2.2
SH-1N-100*	White	**100**	0.44	**1.0**	25	**5.2**	2.3
SH-1N-150*	Orange	**150**	0.67	**1.0**	25	**5.2**	2.3
SH-1N-200	Grey	**200**	0.89	**1.0**	25	**5.4**	2.5
SH-1N-300	Black	**300**	1.33	**1.0**	25	**5.6**	2.5
SH-1N-400	Green	**400**	1.78	**1.0**	25	**5.6**	2.5
SH-1N-500	Yellow	**500**	2.22	**1.0**	25	**5.9**	2.7
SH-1N-600	Red	**600**	2.67	**1.0**	25	**6.0**	2.7
SH-1N-800	Blue	**800**	3.56	**1.0**	25	**6.3**	2.8
SH-1S-900	Orange-Green	**900**	4.00	**1.0**	25	**13.4**	6.1
SH-1S-1000	White	**1000**	4.45	**1.0**	25	**12.6**	5.7
SH-1S-1100	White-White	**1100**	4.89	**1.0**	25	**13.3**	6.0
SH-1S-1200	White-Grey	**1200**	5.34	**1.0**	25	**13.6**	6.2
SH-1S-1300	White-Black	**1300**	5.78	**1.0**	25	**13.7**	6.2
SH-1S-1400	White-Green	**1400**	6.23	**1.0**	25	**13.8**	6.2
SH-1S-1500	White-Yellow	**1500**	6.67	**1.0**	25	**14.1**	6.4
SH-1S-1600	White-Red	**1600**	7.12	**1.0**	25	**14.2**	6.4
SH-1S-1800	White-Blue	**1800**	8.01	**1.0**	25	**14.4**	6.5
SH-1SS-2000	Red-Yellow	**2000**	8.90	**1.0**	25	**22.1**	10.0
SH-1SS-2500	Red-Ivory	**2500**	11.12	**1.0**	25	**23.9**	10.9
SH-1SS-3000	Black-Yellow	**3000**	13.35	**1.0**	25	**24.5**	11.1
SH-1SS-3500	Black-Ivory	**3500**	15.57	**1.0**	25	**24.7**	11.2

* for smaller hanger box, see SH-SN † weights are approximate

DIMENSIONS: SH-1N

Model SH-1N	L in	L mm	W in	W mm	H in	H mm
50–800	**4 1/4**	108	**4**	102	**8 1/4**	210

DIMENSIONS: SH-1S

Model SH-1S	L in	L mm	W in	W mm	H in	H mm
900–1800	**5 1/2**	140	**4 1/2**	114	**9**	229

DIMENSIONS: SH-1SS

Model SH-1SS	L in	L mm	W in	W mm	H in	H mm
2000–3500	**6 3/4**	171	**5**	102	**12 1/4**	229

NOTES

- Spring hanger with steel spring and welded steel housing
- For 1N & 1S: Hanger designed for minimum of 30 degree angular misalignment from vertical before support rod contacts housing
- Vertical uplift stopwasher must be added on spring hangers for seismically restrained equipment, duct or piping
- Minimum 50% additional travel to solid
- Springs and housing powder coated for SH-1N & 1S
- Compression cups are zinc plated or powder coated
- SH-1SS housing is enamel painted

Project:			plan view of hanger locations	1: 6:
Customer:				2: 7:
Consultant:				3: 8:
Dwg No.:	**Rev:**	**Drawn by:**		4: 9:
V-A Project Manager:				5: 10:
				QTY of sets required:
TAG:			**EQUIPMENT:**	
COMMENTS:				**DATE:**

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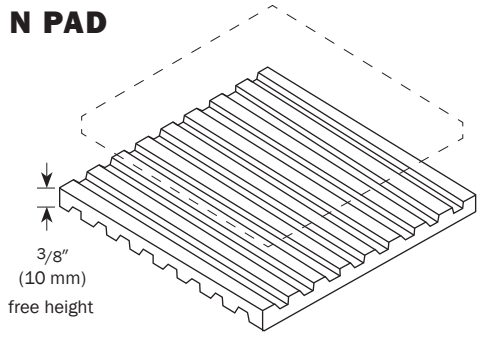
N/NSN
Vibration Isolation Pads

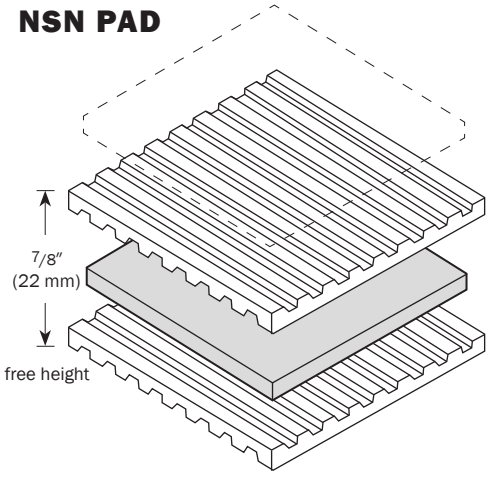
File No.: DS-N-011 Date: 04 Dec 2015
Supersedes: DS-N-010 Date: 10 Jun 2014

N PAD



optional 1/8″ thick top plate for load distribution (SN pad)
+
N pad

NSN PAD



optional 1/8″ thick top plate for load distribution (SNSN pad)
+
N pad
+
galvanized steel plate
+
N pad

PERFORMANCE (N)

Model	Design Load Capacity @ .07 in (2 mm) Deflection	Standard Size other sizes available	Pad Weight †
	lb kN	**in** mm	**lb** kg
N 22-45	**180** 0.79	**2×2** 50×50	**0.04** 0.02
N 33-45	**400** 1.80	**3×3** 80×80	**0.10** 0.04
N 44-45	**720** 3.20	**4×4** 100×100	**0.17** 0.08
N 55-45	**1125** 4.90	**5×5** 130×130	**0.27** 0.12
N 66-45	**1620** 3.20	**6×6** 150×150	**0.38** 0.17
N 69-45	**2430** 6.30	**6×9** 150×230	**0.57** 0.26
N 912-45	**4860** 4.90	**9×12** 230×300	**1.15** 0.52
N 918-45	**7290** 9.90	**9×18** 230×460	**1.72** 0.78
N 1818-45	**14580** 7.10	**18×18** 460×460	**3.44** 1.56
N 22-65*	**360** 14.30	**2×2** 50×50	**0.06** 0.03
N 33-65*	**800** 10.70	**3×3** 80×80	**0.14** 0.06
N 44-65*	**1440** 21.40	**4×4** 100×100	**0.24** 0.11
N 55-65*	**2250** 21.40	**5×5** 130×130	**0.38** 0.17
N 66-65*	**3240** 42.80	**6×6** 150×150	**0.54** 0.25
N 69-65*	**4860** 32.00	**6×9** 150×230	**0.81** 0.37
N 912-65*	**9720** 64.86	**9×12** 230×300	**1.62** 0.74
N 918-65*	**14580** 64.86	**9×18** 230×460	**2.44** 1.11
N 1818-65*	**29160** 129.71	**18×18** 460×460	**4.88** 2.22

† weights are approximate

PERFORMANCE (NSN)

Model	Design Load Capacity @ .15 in (4 mm) Deflection	Standard Size other sizes available	Pad Weight †
	lb kN	**in** mm	**lb** kg
NSN 22-45	**180** 0.79	**2×2** 50×50	**0.22** 0.10
NSN 33-45	**400** 1.80	**3×3** 80×80	**0.53** 0.24
NSN 44-45	**720** 3.20	**4×4** 100×100	**0.97** 0.44
NSN 55-45	**1125** 4.90	**5×5** 130×130	**1.46** 0.66
NSN 66-45	**1620** 7.10	**6×6** 150×150	**2.21** 1.00
NSN 69-45	**2430** 10.70	**6×9** 150×230	**2.98** 1.35
NSN 912-45	**4860** 21.40	**9×12** 230×300	**5.95** 2.70
NSN 918-45	**7290** 32.00	**9×18** 230×460	**8.93** 4.05
NSN 1818-45	**14580** 64.86	**18×18** 460×460	**17.86** 8.10
NSN 22-65*	**360** 1.60	**2×2** 50×50	**0.29** 0.13
NSN 33-65*	**800** 3.50	**3×3** 80×80	**0.64** 0.29
NSN 44-65*	**1440** 6.30	**4×4** 100×100	**1.12** 0.51
NSN 55-65*	**2250** 9.90	**5×5** 130×130	**1.68** 0.76
NSN 66-65*	**3240** 14.30	**6×6** 150×150	**2.51** 1.14
NSN 69-65*	**4860** 21.40	**6×9** 150×230	**3.87** 1.76
NSN 912-65*	**9720** 42.80	**9×12** 230×300	**7.74** 3.51
NSN 918-65*	**14580** 64.86	**9×18** 230×460	**11.61** 5.27
NSN 1818-65*	**29160** 129.71	**18×18** 460×460	**23.22** 10.54

*65 durometer selection is discontinued

† weights are approximate

N Pad Type	Min. Load & Deflection	Design Load & Deflection	Max. Load & Deflection
45 DURO	25 PSI (0.11 kN)	45 PSI (0.20 kN)	60 PSI (0.26 kN)
	0.05″ (1 mm)	0.07″ (2 mm)	0.09″ (2 mm)
65 DURO*	45 PSI (0.20 kN)	90 PSI (0.40 kN)	120 PSI (0.53 kN)
	0.05″ (1 mm)	0.07″ (2 mm)	0.08″ (2 mm)

NSN Pad Type	Min. Load & Deflection	Design Load & Deflection	Max. Load & Deflection
45 DURO	25 PSI (0.11 kN)	45 PSI (0.20 kN)	60 PSI (0.26 kN)
	0.10″ (3 mm)	0.15″ (4 mm)	0.19″ (5 mm)
65 DURO*	45 PSI (0.20 kN)	90 PSI (0.40 kN)	120 PSI (0.53 kN)
	0.10″ (3 mm)	0.15″ (4 mm)	0.18″ (5 mm)

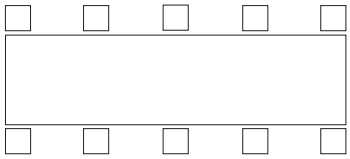
NOTES

Type N: Neoprene pad type, 3/8″ (10 mm) thick, ribbed on both sides.

Type NSN: Sandwich neoprene pad type, with 3/8″ (10 mm) thick, ribbed pads on both sides of a 10 ga galvanized steel plate.

Project:		
Customer:		
Consultant:		
Dwg No.:	**Rev:**	**Drawn by:**
V-A Project Manager:		
TAG:		
DATE:		
COMMENTS:		

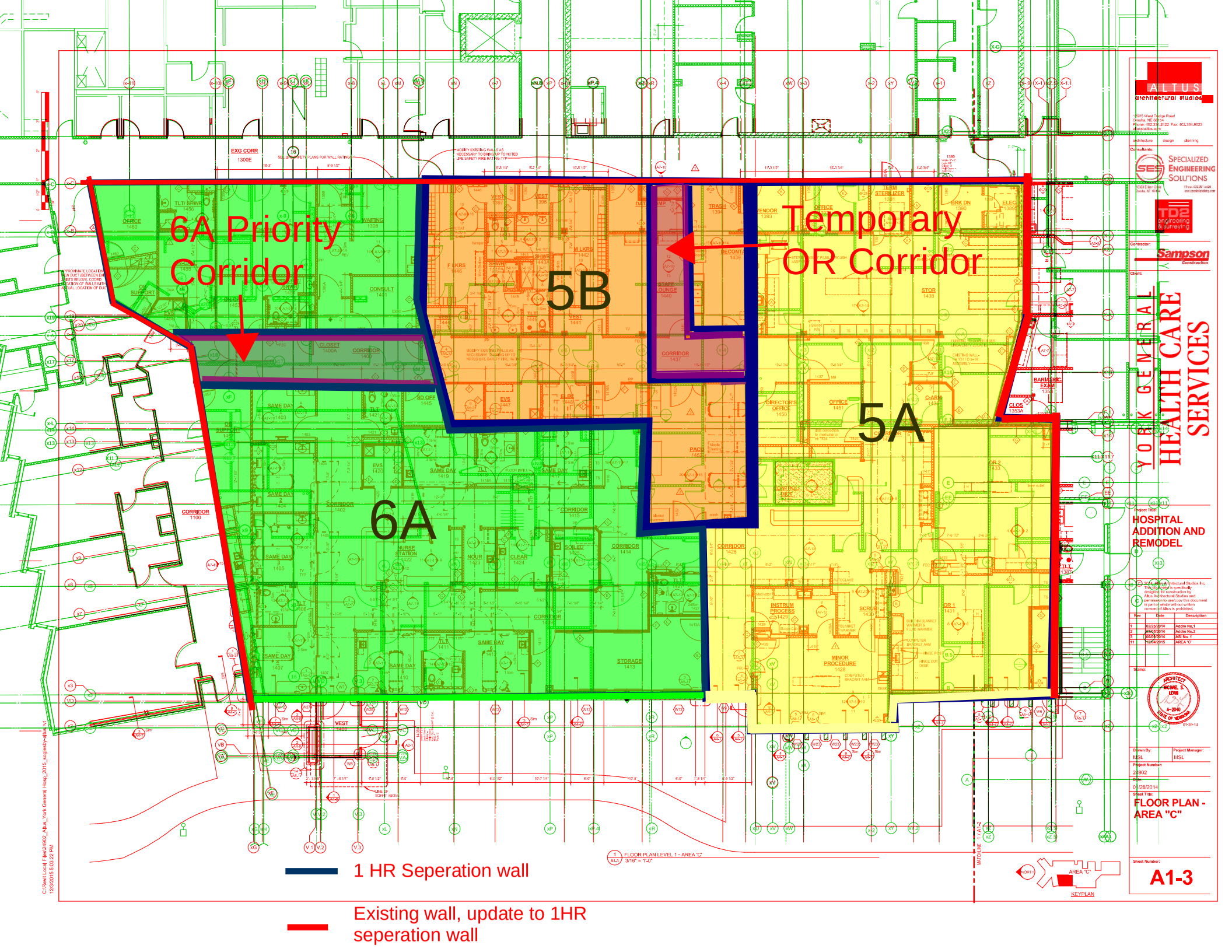
plan view of pad locations



Unless otherwise specified, install pads equally spaced along the long sides of the equipment.

1:	6:
2:	7:
3:	8:
4:	9:
5:	10:
QTY of sets required:	

EQUIPMENT:


6A Priority Corridor
Temporary OR Corridor
5B
5A
6A
1 HR Seperation wall
Existing wall, update to 1HR seperation wall
HOSPITAL ADDITION AND REMODEL
FLOOR PLAN - AREA "C"
A1-3